

Title (en)
INDUCTIVELY INTERROGATED PASSIVE SENSOR APPARATUS

Title (de)
INDUKTIV ABGEFRAGTE, PASSIVE SENSORVORRICHTUNG

Title (fr)
APPAREIL DE DÉTECTION PASSIVE À INTERROGATION INDUCTIVE

Publication
EP 3486667 B1 20221116 (EN)

Application
EP 18194405 A 20100406

Priority

- EP 18194405 A 20100406
- EP 10849572 A 20100406
- US 2010001045 W 20100406

Abstract (en)
[origin: WO2011126466A1] A sensor apparatus comprises a first magnetic transducer which in use is positioned on a first side of a barrier and a second magnetic transducer which in use is positioned on a second side of the barrier opposite the first side. The second transducer comprises a magnetic or electrical property which is dependent upon a sensible condition on the second side of the barrier, such as the pressure or temperature on the second side of the barrier. In operation, the first transducer generates a first magnetic field which induces the second transducer to generate a second magnetic field that is dependent upon the magnetic or electrical property of the second transducer. The first transducer detects the second magnetic field and generates a signal which is representative of the sensible condition on the second side of the barrier.

IPC 8 full level
G01R 31/00 (2006.01); **G01D 5/20** (2006.01)

CPC (source: EP US)
G01D 5/204 (2013.01 - EP US); **G01R 33/0005** (2013.01 - US); **G01R 33/0017** (2013.01 - US); **G01R 33/02** (2013.01 - EP US)

Citation (examination)
US 2008070499 A1 20080320 - WILHELM GRAHAM R [US], et al

Designated contracting state (EPC)
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DOCDB simple family (publication)
WO 2011126466 A1 20111013; BR 112012025465 A2 20160705; BR 112012025465 B1 20231010; CA 2828299 A1 20111013; CA 2828299 C 20170228; EP 2556382 A1 20130213; EP 2556382 A4 20150429; EP 3486667 A1 20190522; EP 3486667 B1 20221116; US 2013147470 A1 20130613; US 9506994 B2 20161129

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